

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A sample analyzing method based on a response obtained upon application of a voltage to a reaction field containing a sample, comprising:
 - a preliminary step for introducing the sample;
 - a first step performed later than the preliminary step for measuring a first response for use in calculation necessary for analyzing the sample; and
 - a second step performed later than the first step for measuring a second response necessary to determine whether a target amount of the sample has been supplied to the reaction field;wherein the application of voltage to the reaction field in the first and the second steps is made by using two electrodes selected from three or more electrodes, and a combination of the two electrodes selected in the first step differs from a combination of the two electrodes selected in the second step.
2. (Original) The sample analyzing method according to Claim 1, wherein the first and the second responses are measured as electric currents in the first and the second steps.
3. (Cancelled)
4. (Previously Presented) The sample analyzing method according to Claim 1, wherein use is made of an analyzing tool which includes a substrate provided with a capillary for moving the sample, the substrate being also provided with said three or more electrodes, each of the electrodes having a respective part lined up in the capillary in a direction of the sample movement.

5. (Original) The sample analyzing method according to Claim 4, wherein at least one of the two electrodes selected for measurement of the second response in the second step has its part disposed downstream of the sample flow from the two electrodes selected in the first step.
6. (Original) The sample analyzing method according to Claim 1, further comprising a third step for determining whether or not the sample has moved in the reaction field while carrying out the first step.
7. (Original) The sample analyzing method according to Claim 6, wherein the first response is measured at a plurality of measuring points at every predetermined time interval in the first step,
the determination in the third step on whether or not the sample has moved in the reaction field being made by checking a time course of the responses obtained from the measuring points to see whether or not a first peak which appears first is followed by a second peak.
8. (Original) The sample analyzing method according to Claim 7, wherein the first response is measured as a response current at each of the measuring points in the first step,
the determination in the third step on whether or not the second peak has appeared being made by comparing a response current measured at one of the measuring points with a response current measured at another of the measuring points located right before said one measuring point in the time course, and by checking if the response current at said one measuring point exceeds the response current at said another measuring point by a predetermined or greater value.
9. (Original) The sample analyzing method according to Claim 6, wherein the first response is measured at a plurality of measuring points at every predetermined time interval in the first step,

the determination in the third step on whether or not the sample has moved in the reaction field being made by checking a time course of accumulated response values obtained from each measuring point to see whether or not there has appeared an inflexion point.

10. (Original) A sample analyzing method based on a response obtained upon application of a voltage to a reaction field containing the sample, comprising:

a step of measuring a response at a plurality of measuring points at every specific time interval for use in calculation necessary for analyzing the sample; and an additional step of determining whether or not the sample has moved in the reaction field;

wherein the determination in the additional step on whether or not the sample has moved in the reaction field being made by checking a time course of the responses obtained from the measuring points to see whether or not a first peak which appears first is followed by a second peak.

11. (Original) The sample analyzing method according to Claim 10, wherein the response is measured as a response current at each of the measuring points,

the determination in the additional step on whether or not the second peak has appeared being made by comparing a response current measured at one of the measuring points with a response current measured at another of the measuring points located right before said one measuring point in the time course, and by checking if the response current at said one measuring point exceeds the response current at said another measuring point by a predetermined or greater value.

12. (Original) A sample analyzing method of analyzing a sample based on a response obtained upon application of a voltage to a reaction field containing the sample, comprising:

a step of measuring a response at a plurality of measuring points at every specific time interval for use in calculation necessary for analyzing the sample; and

an additional step of determining whether or not the sample has moved in the reaction field;

wherein the determination in the additional step on whether or not the sample has moved in the reaction field is made by checking a time course of accumulated response values obtained from each measuring point to see whether or not there has appeared an inflexion point.

13. (Currently Amended) A sample analyzer comprising:

a voltage applier for application of a voltage to a reaction field including a sample;

a response measurer for measurement of a response to the voltage applied to the reaction field;

a selector for selecting a first voltage application state for measurement of a first response for use in calculation necessary for analyzing the sample after the sample is introduced to the reaction field, or a second voltage application state for measurement of a second response for use in determining whether or not the reaction field has been supplied with a target amount of the sample;

an arithmetic operator for calculation necessary for analyzing the sample based on the first response;

a determiner for determination based on the second response, on whether or not the reaction field has been supplied with the target amount of the sample; ~~and~~

a controller for causing the selector to select the second voltage application state after causing the selector to select the first voltage application state; and

an additional determiner for determining whether or not the sample has moved in the reaction field while measuring the first response;

wherein the sample analyzer is configured to utilize an analyzing tool including a substrate, a capillary for moving of the sample and three or more electrodes formed in the substrate, part of each electrode being lined up in the capillary in a direction of the moving of the sample,

the voltage applier applying the voltage to the reaction field via two electrodes selected from the three or more electrodes,

the controller controlling the selector in selecting the two electrodes for measurement of the second response to include at least one electrode a part of which is disposed downstream of the direction of the moving of the sample relative to the two electrodes selected for measurement of the first response,

the arithmetic operator recognizing an error upon determination by the determiner of not receiving a supply of a target amount of the sample or upon determination by the additional determiner of a movement of the sample, the arithmetic operator making calculation necessary for analyzing the sample regardless of the error.

14. (Original) The sample analyzer according to Claim 13, wherein the measurer measures the first and the second responses as electric currents in the first and the second steps.
15. (Cancelled)
16. (Previously Presented) The sample analyzer according to Claim 13, wherein the selector includes a switch for individual selection for the three or more electrodes, of a state in which the electrode is electrically connected with the voltage applier or a state in which it is not.
17. (Cancelled)
18. (Currently Amended) The sample analyzer according to Claim ~~[[17]]~~13, further comprising a display for displaying a result of calculation made by the arithmetic operator and an error message.
19. (Original) The sample analyzer according to Claim 18, wherein the display displays a content of the error upon recognition of the error by the arithmetic operator.